

GENERAL NOTES ?

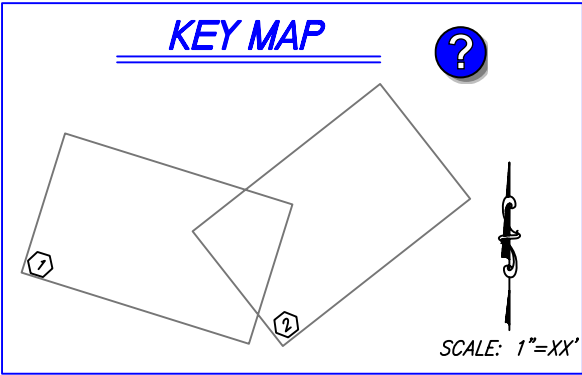
TRAFFIC CONTROL NOTE ?

THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN (11"x17") FOR APPROVAL PRIOR TO STARTING WORK. THE PLAN SHOULD BE SUBMITTED TO THE TRAFFIC CONTROL PERMIT COUNTER, 3RD FLOOR, BOOTH 22, LAND DEVELOPMENT REVIEW DIVISION, DEVELOPMENT SERVICES CENTER, 1222 FIRST AVENUE, SAN DIEGO (619-446-5150). CONTRACTOR SHALL OBTAIN A TRAFFIC CONTROL PERMIT A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO STARTING WORK, AND A MINIMUM OF FIVE (5) DAYS IF WORK WILL AFFECT A BUS STOP OR AN EXISTING TRAFFIC SIGNAL, OR IF WORK WILL REQUIRE A ROAD OR ALLEY CLOSURE.

STREET DESIGN DATA TABLE ?				
STREET NAME	CLASSIFICATION	DESIGN SPEED (MPH)	FUTURE ADT	R/W (FT)
STREET 'X'	4-LANE MAJOR	45	5000	84

CONSTRUCTION CHANGE TABLE ?		
CHANGE	DATE	EFFECTED OR ADDED SHEET NUMBERS

IMPROVEMENT PLANS FOR:  
PROJECT NAME ?



KEY MAP LEGEND

DESCRIPTION	SYMBOL
SHEET NUMBER . . . . .	

SHEET INDEX ?

SHEET DESCRIPTION . . . . . SHEET #

TOPOGRAPHY SOURCE ?

TOPO SOURCE COMPANY WITH COMPLETE ADDRESS.  
TOPO SOURCE METHOD (I.E. ALTA, PHOTOGRAMMETRY, ETC...) TOPO SOURCE DATE (TOPO REGENCY MUST BE WITHIN THE 3 YEARS PRECEDING PERMIT DATE)

BENCHMARK ?

THE NEAREST BENCHMARK MUST BE TAKEN FROM THE CITY OF SAN DIEGO VERTICAL CONTROL BOOK.

SITE ADDRESS

INCLUDE COMPLETE ADDRESS IF APPLICABLE.

OWNER/APPLICANT ?

OWNER/APPLICANT NAME  
OWNER/APPLICANT ADDRESS  
OWNER/APPLICANT TELEPHONE NUMBER

LEGAL DESCRIPTION ?

AS STATED ON RECORDING DOCUMENT,  
CONSISTENT WITH DISCRETIONARY PERMIT  
(IF APPLICABLE).

APN (IF APPLICABLE)

XXX-XXX-XX-XX

REFERENCE DRAWINGS ?

DRAWING DESCRIPTION . . . . . DRAWING #

ENGINEERING COMPANY'S  
ADDRESS, PHONE NUMBER  
AND LOGO (IF APPLICABLE)

DECLARATION OF RESPONSIBLE CHARGE ?

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN DIEGO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

NAME R.C.E. NO. XXXXX EXP. XX-XX-XX DATE

WORK TO BE DONE ?

THE IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS AND THE SPECIFICATIONS AND STANDARD DRAWINGS OF THE CITY OF SAN DIEGO.

STANDARD SPECIFICATIONS:

- 1. STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION "GREEN BOOK" (2000 EDITION), INCLUDING THE REGIONAL AND CITY OF SAN DIEGO SUPPLEMENT AMENDMENT, DOC. NO. 769845 FILED JULY 21 , 2000.
- 2. 1999 STANDARD SPECIAL PROVISIONS FOR SIGNALS, LIGHTING AND ELECTRICAL SYSTEMS OF CITY OF SAN DIEGO, DOCUMENT NO. 769842, FILED OCTOBER 22, 1999.
- 3. CALIFORNIA DEPARTMENT OF TRANSPORTATION, " MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONES," (1996 EDITION), DOCUMENT NO. 769843, FILED JANUARY 24, 2000.
- 4. STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS (JULY 1992), DOCUMENT NO. 769806, FILED JULY 9, 2000.

STANDARD DRAWINGS:

- 1. CITY OF SAN DIEGO STANDARD DRAWINGS, INCLUDING ALL REGIONAL STANDARD DRAWINGS, DOCUMENT NO. 769846, FILED JULY 21, 2000.
- 2. STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARD PLAN (JULY 1992), DOCUMENT NO. 769805, FILED JULY 9, 2000.

LEGEND ?

IMPROVEMENT	STANDARD DWGS.	SYMBOL
PROJECT BOUNDARY_ . . . . .		
R.C.P. STORM DRAIN_ . . . . .D-60 , D-61_ . . . . .		
TYPE 'B' CURB INLET . . . . .D-2, D-11, D-12, SDG-110, SDD-100. . . . .		
TYPE 'B-1' CURB INLET . . . . .D-2, D-11, D-12, SDG-110, SDD-100. . . . .		
TYPE 'B-2' CURB INLET . . . . .D-2, D-11, D-12, SDG-110, SDD-100. . . . .		
CURB & GUTTER_ . . . . .G-2 (TYPE PER PLAN), G-10, SDG-100. . . . .		
PROPOSED RECLAIMED WATER . . . . .X-X . . . . .		
PROPOSED WATER_ . . . . .X-X . . . . .		
PROPOSED SEWER _ . . . . .X-X . . . . .		
PROPOSED EASEMET_ . . . . .		
RETAINING WALL (SEPARATE PERMIT)_ . . . . .		

EXISTING IMPROVEMENTS ?

ITEM	SYMBOL
R.C.P. STORM DRAIN_ . . . . .	
EXISTING CONTOUR_ . . . . .	12
EXISTING EASEMENT_ . . . . .	
EXISTING SPOT ELEVATION_ . . . . .	(6.0)



CONSTRUCTION SITE PRIORITY\_\_\_\_\_

PRIVATE CONTRACT

IMPROVEMENT PLANS FOR:

PROJECT NAME ?

INDEXING INFORMATION ?

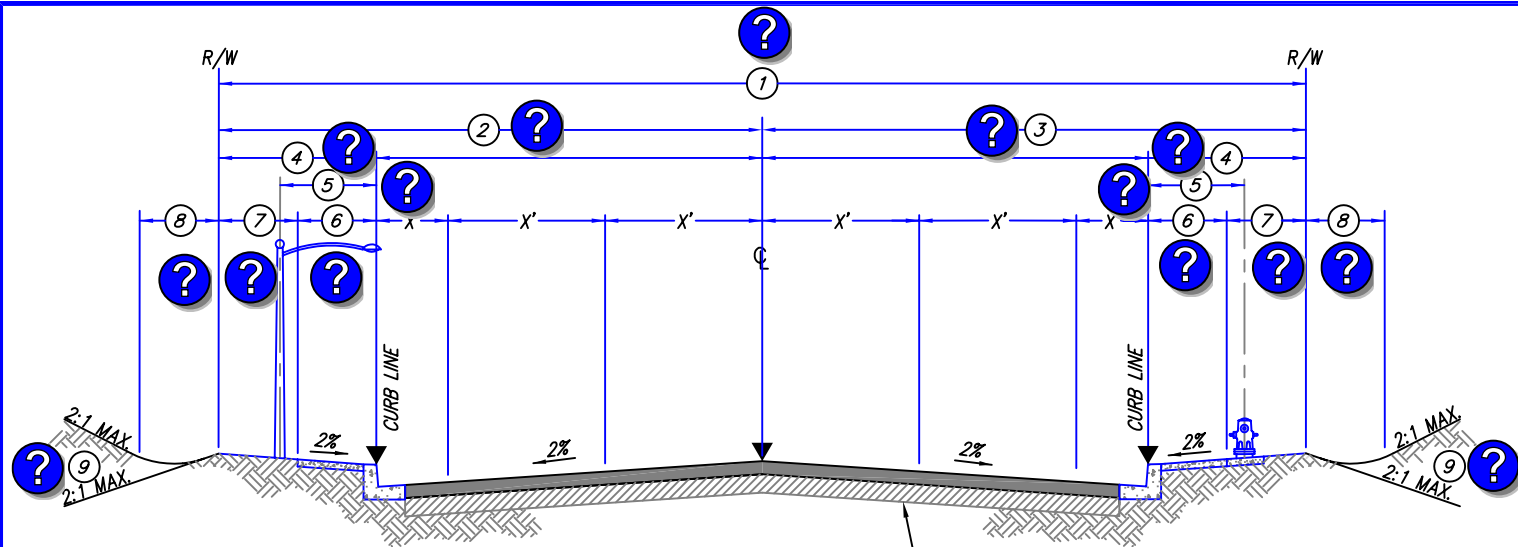
CITY OF SAN DIEGO, CALIFORNIA DEVELOPMENT SERVICES DEPARTMENT SHEET 1 OF XX SHEETS		W.O. NO. XXXXXX P.T.S. NO. XXXXXX
FOR CITY ENGINEER _____ DATE _____		TM/TPM XX-XXXX
DESCRIPTION	BY	APPROVED
ORIGINAL	CO. INITIALS	DATE
AS-BUILTS		
CONTRACTOR	DATE STARTED	
INSPECTOR	DATE COMPLETED	

XXXX-XXXX  
NAD83 COORDINATES

XXX-XXXX  
LAMBERT COORDINATES

XXXX-1-D

THIS AREA IS TO BE RESERVED FOR CONSTRUCTION CHANGE INFORMATION



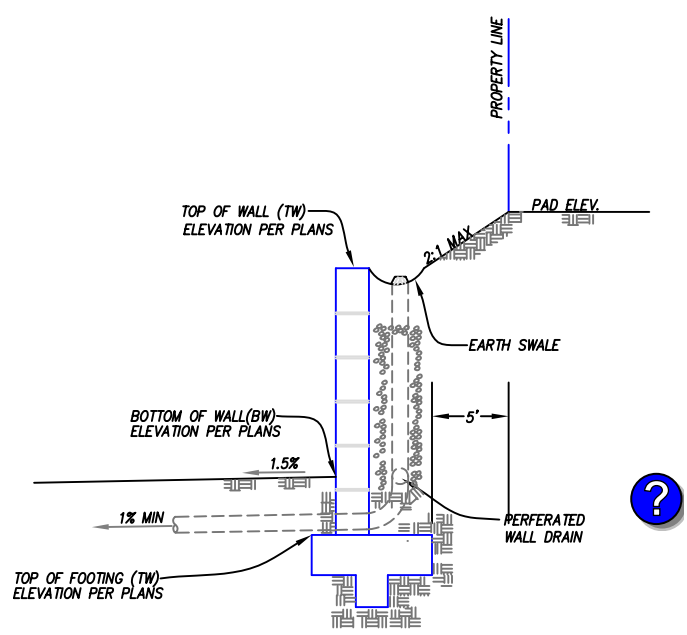
▼ DENOTES PROFILE ELEVATION(S)  
**TYPICAL STREET SECTION**  
NO SCALE

**PUBLIC STREET 'X'**  
STATION XX+XX.X TO XX+XX.X

PAVING AND STREET UNDERCUT PER  
SCHEDULE "J" SDG-113 AND GETECHNICAL  
RECCOMENDATIOS

SEWER AND WATER LATERAL TABLE								
LOT NO.	INV. ELEV. AT MAIN	DROP TO MAIN	LENGTH IN FEET	INV. ELEV. AT P.L.	TOP CURB ELEV.	DEPTH BELOW T.C. AT P.L.	SEWER STATION	WATER STATION
X	XX	X'	XX'	XXX	XXX	X'	XX+XX.XX	XX+XX.XX

RECLAIMED WATER SERVICE TABLE								
SERVICE NUMBER	STREET NAME	STATION	USER No.	METER NUMBER	SERVICE		GREATEST DISTANCE TO USER	COMMENTS
					SIZE	LENGTH		
1	STREET 'X'	X	XX	XX	X"	XX'	XX'	



**TYPICAL RETAINING WALL**  
NTS

ENGINEERING COMPANY'S  
ADDRESS, PHONE NUMBER  
AND LOGO (IF APPLICABLE)

NAME R.C.E. NO. XXXXX EXP. XX-XX-XX DATE



PRIVATE CONTRACT				
IMPROVEMENT PLANS FOR				
PROJECT NAME				
NOTES AND DETAILS				
CITY OF SAN DIEGO, CALIFORNIA DEVELOPMENT SERVICES DEPARTMENT SHEET 2 OF XX SHEETS				W.O. NO. XXXXXX P.T.S. NO. XXXXXX
FOR CITY ENGINEER				DATE
DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	CO. INITIALS			
AS-BUILTS				
CONTRACTOR		DATE STARTED		
INSPECTOR		DATE COMPLETED		
				XXXX-2-D

THIS AREA IS TO BE RESERVED FOR CONSTRUCTION CHANGE INFORMATION



WATER NOTES

1. EACH LOT SHALL RECEIVE A 1-INCH WATER SERVICE, UNLESS INDICATED ON THE PLANS OR SPECIAL SPECIFICATIONS. LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER OF WORK. THE "AS-BUILT" LOCATIONS SHALL BE SHOWN ON THESE PLANS AND THE SEWER LATERAL TABLE COMPLETED PRIOR TO ACCEPTANCE OF THE WATER FACILITIES.
2. LOCATE WATER SERVICE HOUSE CONNECTIONS OUT OF DRIVEWAYS. THE SEWER HOUSE CONNECTIONS SHALL BE A MINIMUM OF 5 FEET DOWNHILL FROM THE WATER SERVICE.
3. ALL CONNECTIONS TO EXISTING WATER MAINS ARE TO BE DONE BY THE CITY'S DEPARTMENT FOR WHICH THE FOLLOWING FEES WILL BE CHARGED. IF THE WATER CONNECTIONS ARE NOT READY TO BE MADE AND THE FEES PAID BEFORE \_\_\_\_\_, THE CITY RESERVES THE RIGHT TO ADJUST THE FEES ACCORDING TO THE FEE SCHEDULE IN EFFECT AT THE TIME THE CONNECTIONS ARE MADE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXPOSE THE EXISTING MAIN AT THE CONNECTION POINT AND TO INSTALL THE NEW MAIN AT THE ALIGNMENT AND GRADE WHICH WILL PERMIT THE CITY TO MAKE A "STRAIGHT-IN" CONNECTION WITHOUT USING MORE THAN 10 LINEAL FEET OF PIPE.

	COST	TYPE OF CONNECTION	SHEET
ITEM NO.1:	\$XXXX	36" TEE CUT-IN W/2-36" BV'S*	X
ITEM NO.2:	\$XXXX	16" STRAIGHT-IN CONNECTION*	X

\* EXAMPLE CONNECTION

CONTRACTOR TO SET SADDLE/TAPPING SLEEVE AND CORPORATION STOP/TAPPING VALVE FOR ALL WET TAPS APPROVAL BY THE SHUTDOWN COMMITTEE IS REQUIRED FOR ALL MAJOR PIPELINES 16" AND LARGER. SHUTDOWN WINDOW PERIOD IS BETWEEN NOVEMBER 1 TILL APRIL 1 OF THE FOLLOWING YEAR, WHEN WATER DEMAND IS LOWER.

4. PROVIDING WATER FOR THIS DEVELOPMENT IS DEPENDENT UPON PRIOR CONSTRUCTION OF CERTAIN WATER FACILITIES IN PREVIOUSLY APPROVED DEVELOPMENTS. IF THESE FACILITIES HAVE NOT BEEN CONSTRUCTED AND ACCEPTED BY THE CITY AT THE TIME OF CONNECTION, THEN CERTAIN PORTIONS OF THESE PREVIOUSLY APPROVED OR PLANNED WATER FACILITIES, AS REQUIRED BY THE CITY ENGINEER, WILL BECOME OFF-SITE IMPROVEMENTS AS PART OF THIS DEVELOPMENT. PRIOR TO CONNECTION TO PUBLIC WATER FACILITIES, THESE OFF-SITE IMPROVEMENTS MUST BE CONSTRUCTED AND ACCEPTED BY THE CITY AND DOCUMENTED AS A CONSTRUCTION CHANGE TO THE ORIGINAL APPROVED MYLARS FOR THIS DEVELOPMENT. THIS DEVELOPMENT'S WATER FACILITIES ARE DEPENDENT UPON THE COMPLETION AND ACCEPTANCE OF THE FOLLOWING APPROVED WATER FACILITIES:

(TITLE) (DRAWING NUMBER)

5. ALL VALVES WILL BE FLANGED TO CROSSES AND TEES. ONLY GATE VALVES SHALL BE USED IN FIRE HYDRANT INSTALLATIONS. ALL BURIED DUCTILE AND GRAY CAST IRON PIPE, FITTINGS, VALVES AND APPURTENANCES SHALL BE COATED WITH A DIELECTRIC COATING: A LIQUID EPOXY COATING SYSTEM PER AWWA C-210 AT 24 MILS MINIMUM DRY FILM THICKNESS (MDFT), OR A COLD APPLIED THREE PART SYSTEM PETROLEUM WAX TAPE PER AWWA C-217, OR A 100% POLYURETHANE COATING OF 24 MILS MDFT SUITABLE FOR BURIED USE.
6. ALL PROPOSED WATER FACILITY INSTALLATIONS SHALL BE CONSTRUCTED WITH MATERIALS CURRENTLY LISTED IN THE MOST CURRENT EDITION OF THE CITY OF SAN DIEGO WATER UTILITIES DEPARTMENT APPROVED MATERIALS LIST AS REFERENCED IN THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. RECENT REVISIONS INCLUDE BUT IS NOT LIMITED TO THE REQUIREMENT FOR POLYMER CONCRETE WATER METER BOXES INSTEAD OF THE STANDARD PRECAST WATER METER BOXES.
7. ALL HORIZONTAL AND VERTICAL SEPARATION DIMENSIONS SHOWN BETWEEN WATER AND SEWER MAINS SHALL BE MEASURED FROM THE NEAREST EDGE OF EACH PIPELINE PER STATE OF CALIFORNIA, DEPARTMENT OF HEALTH SERVICES, BASIC SEPARATION STANDARDS. MINIMUM SEPARATION BETWEEN WATER AND SEWER MAINS SHALL BE 10 FOOT HORIZONTAL AND 1 FOOT VERTICAL.

SEWER NOTES

1. EACH LOT SHALL RECEIVE A 4-INCH SEWER HOUSE CONNECTION, UNLESS OTHERWISE INDICATED ON THE PLANS OR SPECIAL SPECIFICATIONS. LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER OF WORK. THE "AS-BUILT" LOCATIONS SHALL BE SHOWN ON THESE PLANS AND THE SEWER LATERAL TABLE COMPLETED PRIOR TO ACCEPTANCE OF THE SEWER FACILITIES.
2. LOCATE SEWER HOUSE CONNECTIONS OUT OF DRIVEWAYS AND A MINIMUM OF TEN FEET FROM TREES. THE SEWER HOUSE CONNECTIONS SHALL BE A MINIMUM OF 5 FEET DOWNHILL FROM THE WATER SERVICE.

SEWER NOTES (CONT.)

3. PROVIDING SEWER FOR THIS DEVELOPMENT IS DEPENDENT UPON PRIOR CONSTRUCTION OF CERTAIN SEWER FACILITIES IN PREVIOUSLY APPROVED DEVELOPMENTS. IF THESE FACILITIES HAVE NOT BEEN CONSTRUCTED AND ACCEPTED BY THE CITY AT THE TIME OF CONNECTION, THEN CERTAIN PORTIONS OF THESE PREVIOUSLY APPROVED OR PLANNED SEWER FACILITIES, AS REQUIRED BY THE CITY ENGINEER, WILL BECOME OFF-SITE IMPROVEMENTS AS PART OF THIS DEVELOPMENT. PRIOR TO CONNECTION OF PUBLIC SEWER FACILITIES, THESE OFF-SITE IMPROVEMENTS MUST BE CONSTRUCTED AND ACCEPTED BY THE CITY AND DOCUMENTED AS A CONSTRUCTION CHANGE TO THE ORIGINAL APPROVED MYLARS FOR THIS DEVELOPMENT. THIS DEVELOPMENT'S SEWER FACILITIES ARE DEPENDENT UPON THE COMPLETION AND ACCEPTANCE OF THE FOLLOWING APPROVED SEWER FACILITIES:

(TITLE) (DRAWING NUMBER)

4. ALL VALVES FOR SEWER FORCE MAINS SHALL BE FLANGED TO CROSSES AND TEES.
5. ALL BURIED DUCTILE AND GRAY CAST IRON PIPE, FITTINGS, VALVES AND APPURTENANCES SHALL BE COATED WITH A DIELECTRIC COATING: A LIQUID EPOXY COATING SYSTEM PER AWWA C-210 AT 24 MILS MINIMUM DRY FILM THICKNESS (MDFT), A COLD APPLIED THREE PART SYSTEM PETROLEUM WAX TAPE PER AWWA C-217, OR A POLYURETHANE COATING OF 24 MILS MDFT SUITABLE FOR BURIED USE.
6. SHOP DRAWING SUBMITTALS: PRIOR TO FABRICATION, SHOP DRAWINGS SHALL BE PREPARED AND APPROVED BY THE ENGINEER OF RECORD. THE ENGINEER OF RECORD SHALL CERTIFY THAT THE SHOP DRAWINGS MEET THE INTENT OF THE SIGNED DESIGN PLANS AND SPECIFICATIONS. THE APPROVED SHOP DRAWINGS SHALL THEN BE SUBMITTED TO THE RESIDENT ENGINEER FOR A 6 (SIX) WEEK REVIEW PERIOD. ONCE THE SHOP DRAWINGS HAVE BEEN ACCEPTED BY THE RESIDENT ENGINEER, THE MATERIALS MAY BE MANUFACTURED AT THE PLANT. REQUESTS FOR PLANT INSPECTIONS MUST BE MADE A MINIMUM OF 2 (TWO) WORKING DAYS PRIOR TO MANUFACTURING IF THE PLANT IS LOCATED IN THE SOUTHERN CALIFORNIA AREA. ALL PLANTS LOCATED OUTSIDE OF SOUTHERN CALIFORNIA MUST SCHEDULE INSPECTION A MINIMUM OF 7 (SEVEN) WORKING DAYS PRIOR TO MANUFACTURING. REFER TO THE 2000 EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, SECTION 4-1.3, FOR INSPECTION REQUIREMENTS.
7. ALL HORIZONTAL SEPARATION DIMENSIONS SHOWN BETWEEN WATER AND SEWER MAINS SHALL BE MEASURED FROM THE NEAREST EDGE OF EACH PIPELINE PER STATE OF CALIFORNIA, DEPARTMENT OF HEALTH SERVICES, BASIC SEPARATION STANDARDS. MINIMUM SEPARATION BETWEEN WATER AND SEWER MAINS SHALL BE 10 FOOT HORIZONTAL AND 1 FOOT VERTICAL.
8. PRIVATE ON SITE SEWER IS SHOWN IN BOTH PLAN AND PROFILE FOR REFERENCE ONLY TO AVOID CONFLICTS AND TO SHOW CONNECTIONS TO PUBLIC LATERALS OR MAINS. ALL PRIVATE SEWER SHOWN SHALL BE INSTALLED UNDER SEPARATE PERMIT. (THIS NOTE IS NOT APPLICABLE FOR PRIVATE SEWER ON SINGLE LOT DEVELOPMENTS)

9. ALL PROPOSED PUBLIC SEWER FACILITY INSTALLATIONS SHALL BE CONSTRUCTED WITH MATERIALS CURRENTLY LISTED IN THE MOST CURRENT EDITION OF THE CITY OF SAN DIEGO WATER AND MUNICIPAL SEWER APPROVED MATERIALS LIST AS REFERENCED IN THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

10. IN "GATED COMMUNITIES", THE DEVELOPER SHALL BE RESPONSIBLE FOR PROVIDING THE METROPOLITAN WASTEWATER DEPARTMENT/WASTEWATER COLLECTIONS DIVISION WITH KEYED ACCESS.

ADDITIONAL NOTES MAY BE REQUIRED BY THE PLAN REVIEWER TO ADDRESS SPECIFIC PROJECT REQUIREMENTS AND MAY INCLUDE THE FOLLOWING:.

- A. ALL PROPOSED SEWER SHOWN ON THESE PLANS SHALL ADHERE TO THE REQUIREMENTS OF THE CITY OF SAN DIEGO, SEWER DESIGN GUIDE, DOCUMENT NO. 769875, FILED JUNE 11, 2001.

ENGINEERING COMPANY'S ADDRESS, PHONE NUMBER AND LOGO (IF APPLICABLE)



NAME R.C.E. NO. XXXXX EXP. XX-XX-XX

SEWER NOTES (CONT.)

- B. ALL EXISTING UNUSED SEWER LATERALS SHALL BE PLUGGED AT PROPERTY LINE BY CONTRACTOR.
- C. PRIOR TO REUSING ANY EXISTING SEWER LATERAL, IT SHALL BE CLOSED CIRCUIT TELEVISION INSPECTED BY THE CONTRACTOR TO VERIFY LATERAL IS IN GOOD WORKING CONDITION AND FREE OF ALL DEBRIS.
- D. NO SHRUBS MORE THAN 3 FEET IN HEIGHT AT MATURITY OR TREES ALLOWED WITHIN 10 FEET OF ANY PUBLIC SEWER MAINS OR SEWER LATERALS. NO PRESSURIZED LANDSCAPE IRRIGATION MAINS ALLOWED WITHIN ANY SEWER EASEMENTS WITHOUT PRIOR APPROVAL IN THE FORM OF A RECORDED "ENCROACHMENT AND MAINTENANCE AND REMOVAL AGREEMENT" FORM, WITH ASSOCIATED EXHIBITS AND NOTARY, HAVING BEEN SUBMITTED FOR RECORDATION.

- E. ALL DUCTILE IRON PIPE PROPOSED FOR SEWER FORCE MAINS OR GRAVITY SEWER MAINS SHALL BE POLYURETHANE COATED AND LINED PER SECTION 02630 OF THE CLEAN WATER PROGRAM GUIDELINES. THE PIPE EXTERIOR SHALL BE 40 MILS MINIMUM DRY FILM THICKNESS (MDFT), AND THE PIPE INTERIOR SHALL BE 30 MILS MINIMUM DRY FILM THICKNESS (MDFT).

- F. PRIVATE SEWERAGE SYSTEM DESIGN CERTIFICATION: I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THE PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PRIVATE SEWERAGE SYSTEM WHICH IS LOCATED WITHIN THE SEWER / WATER / GENERAL UTILITY EASEMENT / AND OR THE PUBLIC RIGHT-OF-WAY, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS AS REQUIRED BY THE CALIFORNIA PLUMBING CODE (CPC) 2000 EDITION AND THAT ALL REQUIRED "ENCROACHMENT AND MAINTENANCE AND REMOVAL AGREEMENT" FORMS, EXHIBITS AND NOTARY HAVE BEEN SUBMITTED FOR RECORDATION. I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN DIEGO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN. DATE, R.C.E. STAMP, AND EXP. DATE REQUIRED.

- G. FOR ALL SEWER PLANS, ADD: THE CONTRACTOR SHALL OBSERVE AND COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, CODES, ORDERS, AND REGULATIONS WHICH IN ANY MANNER EFFECT THE CONDUCT OF THE WORK, SPECIFICALLY AS IT RELATES TO SEWAGE SPILLS. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR PREVENTING SEWAGE SPILLS, CONTAINING SEWAGE SPILLS, RECOVERY AND LEGAL DISPOSAL OF ANY SPILLED SEWAGE, ANY FINES, PENALTIES, CLAIMS AND LIABILITY ARISING FROM NEGLIGENTLY CAUSING A SEWAGE SPILL, AND ANY VIOLATION OF ANY LAW, ORDINANCE, CODE, ORDER, OR REGULATION AS A RESULT OF THE SPILL(S).

- H. FOR WORK INVOLVING CONNECTION TO EXISTING FACILITIES, ADD:

PRIOR TO THE START OF CONSTRUCTION WHICH INVOLVES ANY EXISTING WASTEWATER FACILITIES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEVELOPING AND SUBMITTING TO THE RESIDENT ENGINEER, FOR REVIEW, A WRITTEN SEWAGE SPILL PREVENTION AND RESPONSE. THE PLAN SHALL BE DEVELOPED TO RESPOND TO ANY CONSTRUCTION RELATED SEWAGE SPILLS. FOR MINIMUM CRITERION AND A SAMPLE SEWAGE SPILL PREVENTION AND RESPONSE PLAN, CONTACT THE ENGINEERING & CAPITAL PROJECTS DEPARTMENT, CONTRACT SERVICES DIVISION, AT (619) 533-4464.

- I. FOR WORK WHERE BYPASS PUMPING MAY BE INVOLVED, ADD: AT LEAST 15 WORKING DAYS PRIOR TO THE IMPLEMENTATION OF ANY FLOW DIVERSION THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEVELOPING AND SUBMITTING TO THE RESIDENT ENGINEER, FOR REVIEW, A WRITTEN WASTEWATER FLOW DIVERSION PLAN. THE CONTRACTOR'S WASTEWATER FLOW DIVERSION PLAN SHALL BE REVIEWED AND APPROVED BY THE WASTEWATER COLLECTION DIVISION BEFORE ANY FLOW CAN BE DIVERTED. THE DIVERSION PLAN SHALL INDICATE THE SEQUENCE OF DIVERSION OPERATIONS AND ALL OTHER OPERATIONS THE CONTRACTOR WILL ESTABLISH TO MAINTAIN WASTEWATER SERVICE DURING THE CONSTRUCTION PERIOD. THE DIVERSION PLAN SHALL INCLUDE A COMPREHENSIVE EMERGENCY RESPONSE PLAN IN THE EVENT OF AN EMERGENCY SHUTDOWN OR FAILURE OF THE FLOW DIVERSION EQUIPMENT. FOR MINIMUM CRITERION AND A SAMPLE WASTEWATER FLOW DIVERSION PLAN, CONTACT THE ENGINEERING & CAPITAL PROJECTS DEPARTMENT, CONTRACT SERVICES DIVISION, AT (619) 533-4464.



DATE

PRIVATE CONTRACT

IMPROVEMENT PLANS FOR

PROJECT NAME

WATER AND SEWER NOTES



CITY OF SAN DIEGO, CALIFORNIA DEVELOPMENT SERVICES DEPARTMENT SHEET 3 of XX SHEETS					W.O. NO. XXXXXX P.T.S. NO. XXXXXX	
FOR CITY ENGINEER _____ DATE _____					TM/TPM XX-XXXX	
DESCRIPTION	BY	APPROVED	DATE	FILMED		
ORIGINAL	CO. INITIALS					
					XXXX-XXXX NAD83 COORDINATES	
					XXX-XXXX LAMBERT COORDINATES	
AS-BUILTS	INITIALS					
CONTRACTOR	DATE STARTED _____				XXXX-3-D	
INSPECTOR	DATE COMPLETED _____					

THIS AREA IS TO BE RESERVED FOR CONSTRUCTION CHANGE INFORMATION

CITY OF SAN DIEGO SAMPLE FORMAT

EXAMPLE ONLY- THIS SHEET IS NOT TO STANDARD SCALE FOR PRESENTATION PURPOSES.

MINIMUM POST-CONSTRUCTION MAINTENANCE PLAN ?

EROSION AND SEDIMENT CONTROL NOTES ?

SWPPP NOTES ?

PERMANENT POST-CONSTRUCTION BMP NOTES ?

?

POST-CONSTRUCTION  
PERMANENT BMP'S

OPERATION AND MAINTENANCE PROCEDURE DETAILS				
O&M RESPONSIBLE PARTY DESIGNEE: PROPERTY OWNER/HOA/CITY/OTHER				
INSPECTION FREQUENCY	MAINTENANCE FREQUENCY	MAINTENANCE METHOD	SERVICE FREQUENCY	SERVICE METHOD
PROPOSED SITE DESIGN				
PROPOSED TREATMENT CONTROL				
PROPOSED SOURCE CONTROL				

ENGINEERING COMPANY'S  
ADDRESS, PHONE NUMBER  
AND LOGO (IF APPLICABLE)

?

NAME

R.C.E. NO. XXXXX

EXP. XX-XX-XX

DATE



PRIVATE CONTRACT

IMPROVEMENT PLANS FOR

PROJECT NAME

NOTES ?

CITY OF SAN DIEGO, CALIFORNIA  
DEVELOPMENT SERVICES DEPARTMENT  
SHEET 4 OF XX SHEETS

W.O. NO. XXXXXX  
P.T.S. NO. XXXXXX

FOR CITY ENGINEER

DATE

TM/TPM XX-XXXX

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	CO. INITIALS			
AS-BUILTS	INITIALS			
CONTRACTOR		DATE STARTED		
INSPECTOR		DATE COMPLETED		

XXXX-XXXX  
NAD83 COORDINATES

XXX-XXXX  
LAMBERT COORDINATES

XXXX-4-D

THIS AREA IS TO BE RESERVED FOR CONSTRUCTION CHANGE INFORMATION



STRIPING AND SIGNING NOTES ?

1. INSTALLATION OF ALL STRIPING, SIGNS AND PAVEMENT MARKERS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. ALL STRIPING AND SIGNING SHALL CONFORM TO THE MOST RECENT ADOPTED EDITION OF THE FOLLOWING MANUALS:
- CALTRANS TRAFFIC MANUAL

CALTRANS STANDARD SPECIFICATIONS

CITY OF SAN DIEGO STANDARD DRAWINGS
3. ALL SIGNING AND STRIPING IS SUBJECT TO THE APPROVAL OF THE CITY ENGINEER PRIOR TO INSTALLATION AND/OR REMOVAL.
4. CONTRACTOR SHALL REMOVE ALL CONFLICTING STRIPING, PAVEMENT MARKINGS AND LEGENDS BY SANDBLASTING AND/OR GRINDING. ANY DEBRIS SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR.
5. SIGN POSTS SHALL BE INSTALLED WITH SQUARE PERFORATED STEEL TUBING WITH BREAKAWAY BASE PER CITY OF SAN DIEGO STANDARD DRAWINGS, DRAWING NUMBER M-45.
6. ALL RAISED MEDIAN NOSES SHALL BE PAINTED YELLOW.
7. ANY DEVIATION FROM THE STRIPING AND SIGNING PLANS SHALL BE APPROVED BY THE ENGINEER OF WORK AND THE CITY ENGINEER PRIOR TO ANY CHANGES BEING MADE IN THE FIELD.
8. ALL SIGNS SHOWN ON THE STRIPING AND SIGNING PLANS SHALL BE NEW SIGNS PROVIDED AND INSTALLED BY THE CONTRACTOR, EXCEPT FOR EXISTING SIGNS SPECIFICALLY INDICATED TO BE RELOCATED OR TO REMAIN.
9. STRIPED CROSSWALKS SHALL HAVE AN INSIDE DIMENSION OF 10 FEET UNLESS INDICATED OTHERWISE.
10. ALL LIMIT LINES/STOP LINES, CROSSWALK LINES, PAVEMENT LEGENDS, AND ARROWS (EXCEPT WITHIN BIKE LANES) SHALL BE THERMOPLASTIC.
11. CONTRACTOR SHALL NOTIFY CITY TRAFFIC ENGINEER AT (619) 533-4443 A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO AND UPON COMPLETION OF STRIPING AND SIGNING.

STREET LIGHT NOTES ?

1. CONTRACTOR INSTALLING THE STREET LIGHTING DISTRIBUTION SYSTEM SHALL NOTIFY CITY FIELD ENGINEER, AT (858) 627-3200, A MINIMUM OF THREE (3) DAYS PRIOR TO STARTING OF WORK FOR APPROVAL OF CONDUIT LOCATIONS AND REQUIREMENTS.
2. CONTRACTOR SHALL VERIFY THAT ALL STREET LIGHTS ARE ACTIVATED AND NOTIFY CITY FIELD ENGINEER, AT (858) 627-3200, A MAXIMUM OF FOUR (4) WEEKS AFTER FINAL ELECTRICAL INSPECTION.
3. STREET LIGHT SCHEDULE (EXAMPLE):

STREET LIGHT SCHEDULE					
STREET LIGHT #	STREET NAME	LOCATION REFERENCE*	CORNER/ STREET SIDE	TYPE OF WORK/ WATTAGE**	POLE TYPE§
1	4 <sup>th</sup>	@ WALNUT AVE.	NEC	(N) 250 W. HPS	15
2	WALNUT AVE.	S/O PINE ST., 260'	W/S	(N) 250 W. HPS	DB

\* LOCATION REFERENCE FOR MID-BLOCK STREET LIGHTS:  
APPROXIMATE DISTANCE FROM CENTERLINE OF NEAREST CROSS STREET.

\*\* TYPE OF WORK: NEW (N), UPGRADE (U), AND RELOCATE (R).

§ A (GATEWAY), C (STANDARD), GASLAMP, 15 (STEEL), DB(DIRECT BURIAL) OR SPECIAL.

4. STREET LIGHT SCHEDULE GUIDELINES:
- A. STREET LIGHT LUMINARIES SHALL BE HIGH PRESSURE SODIUM VAPOR (HPS) WITH TYPE III DISTRIBUTION AND FULL CUT-OFF CONTROL IF LOCATED OUTSIDE THE 30-MILE RADIUS OF MT. PALOMAR OBSERVATORY. IF LOCATED WITHIN THE 30-MILE RADIUS OF MT. PALOMAR OBSERVATORY STREET LIGHT LUMINARIES SHALL BE LOW PRESSURE SODIUM VAPOR (LPS) (CITY COUNCIL POLICY 200-18, ADOPTED MAY 30, 1995; AMENDED FEBRUARY 26, 2002).

STREET LIGHT NOTES (CONT.)

- B. STREET LIGHT STANDARDS SHALL BE EITHER TYPE 15 STEEL OR DIRECT BURIAL CONCRETE (DB), AND SHALL CONFORM TO CURRENT CITY STANDARD DRAWING, SDE-101.
- C. MID-BLOCK STREET LIGHTING SHALL BE SPACED IN ACCORDANCE WITH CITY OF SAN DIEGO STREET DESIGN MANUAL, SECTION "Lt" STREET LIGHTING-STREET LIGHTS, PG. 94 AND CITY COUNCIL POLICY 200-18 (ADOPTED MAY 30, 1995; AMENDED JANUARY 10, 2000).
- D. SUPPLEMENTAL AND SPECIAL ORNAMENTAL STREET LIGHTING SHALL BE INCLUDED IN A SPECIAL STREET LIGHTING ASSESSMENT DISTRICT OR MAINTENANCE ASSESSMENT DISTRICT AND SHALL BE DESIGNATED WITH AN ASTERISK NEXT TO THE STREET LIGHT NUMBER. DEVELOPER/APPLICANT WILL BE ASSESSED THE COST OF THE STREET LIGHTS FOR THE PERIOD FROM THE DATE THE LIGHTS ARE ENERGIZED TO THE DATE THE ASSESSMENT DISTRICT IS FORMED. THE FEE MUST BE PAID PRIOR TO ENERGIZING OF THE STREET LIGHTS. DEVELOPER/APPLICANT SHALL CONTACT ANDY FIELD, PARK AND RECREATION MAINTENANCE ASSESSMENT DISTRICT, AT (619) 533-6778 TO DETERMINE THE FEE.

CCDC STREET LIGHT NOTES ?

1. ALL STREET LIGHTS WITHIN THE CENTRE CITY AREA SHALL CONFORM TO CCDC (CENTRE CITY DEVELOPMENT CORPORATION) GUIDELINES AND STANDARDS AS STATED IN DRAFT CENTRE CITY STREETScape MANUAL DATED NOVEMBER 25, 2002.
2. CONTRACTOR SHALL SUBMIT ALL STREET LIGHT SPECIFICATIONS TO CCDC FOR REVIEW AND APPROVAL PRIOR TO ORDERING OR INSTALLING NEW STREET LIGHTS IN THE PUBLIC RIGHT-OF-WAY. CONTACT JOHN L. ANDERSON, RESIDENT ENGINEER AT (619) 533-7140 OR ROBERTO SAUCEDO, SENIOR PROJECT MANGER AT (619) 533-7138 OR FAX (619) 236-9148.
3. CONTRACTOR INSTALLING THE STREET LIGHTING DISTRIBUTION SYSTEM SHALL NOTIFY CITY FIELD ENGINEER, AT (858) 627-3200, A MINIMUM OF THREE (3) DAYS PRIOR TO STARTING OF WORK FOR APPROVAL OF CONDUIT LOCATIONS AND REQUIREMENTS.
4. CONTRACTOR SHALL VERIFY THAT ALL STREET LIGHTS ARE ACTIVATED AND NOTIFY CITY FIELD ENGINEER, (858) 627-3200, A MAXIMUM OF FOUR (4) WEEKS AFTER FINAL ELECTRICAL INSPECTION.

STREET LIGHT SCHEDULE (EXAMPLE):

STREET LIGHT SCHEDULE					
STREET LIGHT #	STREET NAME	LOCATION REFERENCE*	CORNER/ STREET SIDE	TYPE OF WORK/ WATTAGE**	POLE TYPE§
1	7 <sup>th</sup>	@ MARKET STREET	NEC	(N) 250 W. HPS	15
2	MARKET STREET	45' W/O 4 <sup>th</sup> AVE.	N/S	(N) 250 W. HPS	C

\* LOCATION REFERENCE FOR MID-BLOCK STREET LIGHTS:  
APPROXIMATE DISTANCE FROM CENTERLINE OF NEAREST CROSS STREET.

\*\* TYPE OF WORK: NEW (N), UPGRADE (U), AND RELOCATE (R).

§ A (GATEWAY), C (STANDARD), GASLAMP, 15 (STEEL), OR SPECIAL.

6. CONTRACTOR SHALL REPAIR AND/OR REPAINT ALL EXISTING STREET LIGHTS TO THE SATISFACTION OF THE CITY ENGINEER.

TRAFFIC CONTROL NOTES ?

1. VALIDATION: THE TRAFFIC CONTROL PLAN IS NOT VALID UNTIL WORK DATES AND WORK HOURS ARE APPROVED. THE CONTRACTOR SHALL SUBMIT TWO (2) REDUCED COPIES OF TRAFFIC CONTROL PLANS (11"x17") TO THE TRAFFIC CONTROL PERMIT COUNTER, LAND DEVELOPMENT REVIEW DIVISION, 3RD FLOOR DEVELOPMENT SERVICES CENTER, 1222 FIRST AVENUE, SAN DIEGO.
- THE CONTRACTOR SHALL OBTAIN A TRAFFIC CONTROL PERMIT A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO STARTING WORK, AND A MINIMUM OF FIVE (5) DAYS IF WORK WILL AFFECT A BUS STOP OR AN EXISTING TRAFFIC SIGNAL, OR IF WORK WILL REQUIRE A ROAD OR ALLEY CLOSURE.
3. STANDARDS: THE TRAFFIC CONTROL PLAN SHALL CONFORM TO THE MOST RECENT ADOPTED EDITION OF EACH OF THE FOLLOWING MANUALS:
- CITY OF SAN DIEGO STANDARD DRAWINGS, APPENDIX "A."

-CALTRANS MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONES.

-STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, INCLUDING THE REGIONAL AND CITY OF SAN DIEGO SUPPLEMENTAL AMENDMENTS.

NOTIFICATIONS:

THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO ANY EXCAVATION, CONSTRUCTION, OR TRAFFIC CONTROL AFFECTING THE AGENCIES LISTED BELOW:

FIRE DEPARTMENT DISPATCH (STREET OR ALLEY CLOSURE) (858) 573-1300 POLICE DEPARTMENT DISPATCH (STREET OR ALLEY CLOSURE) (619) 531-2000 ENVIRONMENTAL SERVICES (REFUSE COLLECTION) (858) 492-5060 STREET DIVISION (TRAFFIC SIGNALS) (619) 527-7500 SAN DIEGO TRANSIT (BUS STOPS) (619) 238-0100 EXT. 424 UNDERGROUND SERVICE ALERT (ANY EXCAVATION) (800) 422-4133

THE CONTRACTOR SHALL NOTIFY PROPERTY OWNERS AND TENANTS A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO CLOSURE OF DRIVEWAYS. THE CONTRACTOR SHALL POST SIGNS NOTIFYING THE PUBLIC A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO CLOSURE OF STREETS.

THE CONTRACTOR SHALL NOTIFY ENGINEERING FIELD DIVISION AT (858) 627-3200 AND ARRANGE FOR INSPECTION A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO STARTING ANY WORK INVOLVING NIGHTTIME OR WEEKEND HOURS.

4. POSTING PARKING RESTRICTIONS: THE CONTRACTOR SHALL POST TOW-AWAY/NO PARKING SIGNS TWENTY-FOUR (24) HOURS IN ADVANCE OF PARKING REMOVAL. SIGNS SHALL INDICATE SPECIFIC DAYS, DATES AND TIMES OF RESTRICTIONS. PARKING METERS SHALL BE BAGGED WHERE APPLICABLE.

5. EXCAVATIONS: EXCEPT WHEN OTHERWISE SHOWN ON THE PLANS, ALL TRENCHES SHALL BE BACKFILLED OR TRENCH-PLATED AT THE END OF EACH WORK DAY. AN ASPHALT RAMP SHALL BE PLACED AROUND EACH TRENCH PLATE TO PREVENT THE PLATE FROM BEING DISLODGED. CONTRACTOR SHALL MONITOR TRENCH PLATES DURING NON-WORKING HOURS TO ENSURE THAT THEY DO NOT BECOME DISLODGED. UPON COMPLETION OF EXCAVATION BACKFILL, THE CONTRACTOR SHALL PROVIDE A SATISFACTORY SURFACE FOR TRAFFIC. WHEN CONSTRUCTION OPERATIONS ARE NOT ACTIVELY IN PROGRESS, THE CONTRACTOR SHALL MAINTAIN ALL TRAVEL LANES, BIKE LANES, AND PEDESTRIAN WALKWAYS IN THE RIGHT-OF-WAY EXCEPT WHEN OTHERWISE SHOWN ON THE PLANS.

6. RESTORATION OF ROADWAY: THE CONTRACTOR SHALL REPAIR OR REPLACE ALL EXISTING IMPROVEMENTS WITHIN THE RIGHT-OF-WAY NOT DESIGNATED FOR PERMANENT REMOVAL (TRAFFIC SIGNS, STRIPING, PAVEMENT MARKERS, PAVEMENT MARKINGS, LEGENDS, CURB MARKINGS, LOOP DETECTORS, TRAFFIC SIGNAL EQUIPMENT, ETC.) WHICH ARE DAMAGED OR REMOVED AS A RESULT OF OPERATIONS. REPAIRS AND REPLACEMENTS SHALL BE AT LEAST EQUAL TO EXISTING IMPROVEMENT.

7. CHANGE IN WORK: THE CITY ENGINEER RESERVES THE RIGHT TO OBSERVE THESE TRAFFIC CONTROL PLANS IN OPERATION AND TO MAKE ANY CHANGES AS FIELD CONDITIONS WARRANT. ANY CHANGES SHALL BE DOCUMENTED AND SUPERSEDE THESE PLANS.

ENGINEERING COMPANY'S ADDRESS, PHONE NUMBER AND LOGO (IF APPLICABLE)



NAME R.C.E. NO. XXXXX EXP. XX-XX-XX DATE



PRIVATE CONTRACT

IMPROVEMENT PLANS FOR

PROJECT NAME

STRIPING, STREET LIGHTS AND TRAFFIC NOTES ?

CITY OF SAN DIEGO, CALIFORNIA  
DEVELOPMENT SERVICES DEPARTMENT  
SHEET 5 of XX SHEETS

W.O. NO. XXXXXX  
P.T.S. NO. XXXXXX

FOR CITY ENGINEER DATE TM/TPM XX-XXXX

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	CO. INITIALS			
AS-BUILTS	INITIALS			
CONTRACTOR INSPECTOR	DATE STARTED	DATE COMPLETED		

XXXX-XXXX  
NAD83 COORDINATES

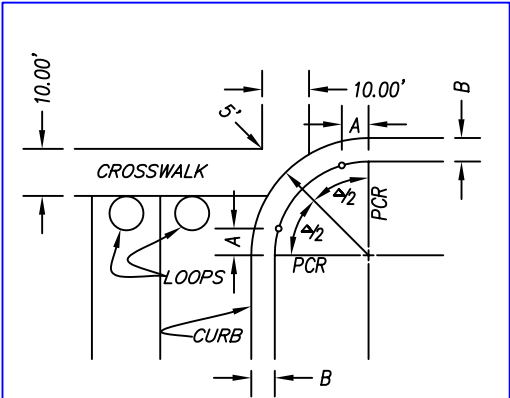
XXX-XXXX  
LAMBERT COORDINATES

XXXX-5-D

THIS AREA IS TO BE RESERVED FOR CONSTRUCTION CHANGE INFORMATION

TRAFFIC SIGNAL GENERAL NOTES

1. PULL BOXES SHALL BE NO. 6, AND CONDUIT 3" UNLESS NOTED OTHERWISE.
2. LOCATION OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS AND VERIFY ALL CONDITIONS ON THE JOB SITE.
3. THE TRAFFIC SIGNAL CONTRACTOR SHALL OBTAIN A TRAFFIC CONTROL PLAN PERMIT FROM THE CITY OF SAN DIEGO PERMIT CENTER A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO START OF WORK.
4. ALL TRAFFIC SIGNAL POLE FOUNDATIONS SHALL HAVE A 3" CONDUIT INSTALLED TO THE ADJACENT PULL BOX AND THE CONTROLLER FOUNDATION SHALL HAVE A SPARE 3" CONDUIT INSTALLED TO THE ADJACENT #6 PULL BOX FOR FUTURE USE.
5. THE TRAFFIC SIGNAL CONTRACTOR IS RESPONSIBLE FOR THE LAYOUT AND INSTALLATION OF LOOP DETECTORS, TRAFFIC STRIPING, PAVEMENT MARKINGS, PARKING REMOVAL AND TRAFFIC SIGNING (EXCEPT "G" SERIES STREET NAME SIGNS) AS SHOWN ON THESE PLANS.
- A. THE TRAFFIC SIGNAL CONTRACTOR SHALL OBTAIN THE APPROVAL OF CITY RESIDENT ENGINEER OF THE LOOP LOCATION PRIOR TO CUTTING AND THE STRIPING, PAVEMENT MARKING, PARKING REMOVAL AND SIGN LOCATIONS PRIOR TO PAINTING AND INSTALLATION.
- B. AFTER APPROVAL OF LOCATION, THE TRAFFIC SIGNAL CONTRACTOR SHALL WAIT A MINIMUM OF FIFTEEN (15) WORKING DAYS BEFORE PERMANENTLY REMOVING ANY PARKING, SO THAT ADVANCE NOTICE TO ADJACENT PROPERTY OWNERS CAN BE MADE BY THE CITY.
- C. THE TRAFFIC SIGNAL CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL UNNECESSARY AND CONFLICTING STRIPING AND PAVEMENT MARKINGS.
6. THE TRAFFIC SIGNAL CONTRACTOR SHALL NOT ERECT ANY SIGNAL STANDARDS MORE THAN THREE (3) WEEKS PRIOR TO SCHEDULED TRAFFIC SIGNAL TURN ON.
7. CONTRACTOR SHALL PROVIDE ALL CABLING AND CONDUCTORS NECESSARY TO PERFORM ALL FUNCTIONS SHOWN ON THESE PLANS.
8. ALL POLES, CONDUIT, PULL BOXES, STRIPING AND LOOP DETECTOR LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE. ACTUAL LOCATIONS SHALL BE DETERMINED BY FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND AS DIRECTED BY THE CITY OF SAN DIEGO.
9. ROUTING AND LOCATIONS OF UNDERGROUND ELECTRICAL SYSTEM IS DIAGRAMMATIC AND SUBJECT TO APPROVAL OF THE ENGINEER. UNDERGROUND ELECTRICAL LINES AND SUBSURFACE STRUCTURES MAY BE RELOCATED IF NECESSARY TO CLEAR OTHER EXISTING UNDERGROUND FACILITIES.
10. ALL TREES AND SHRUBS SHALL BE TRIMMED OR REMOVED AS DETERMINED BY THE CITY RESIDENT ENGINEER AS REQUIRED TO MAINTAIN SIGNAL HEAD VISIBILITY AND SIGHT DISTANCE.
11. ALL VEHICLE SIGNAL HEADS SHALL BE 12" WITH BACK PLATES.
12. ALL VEHICLE AND PEDESTRIAN INDICATIONS SHALL BE OF THE L.E.D. TYPE.



PLACEMENT DETAIL

TRAFFIC SIGNAL CONSTRUCTION NOTES

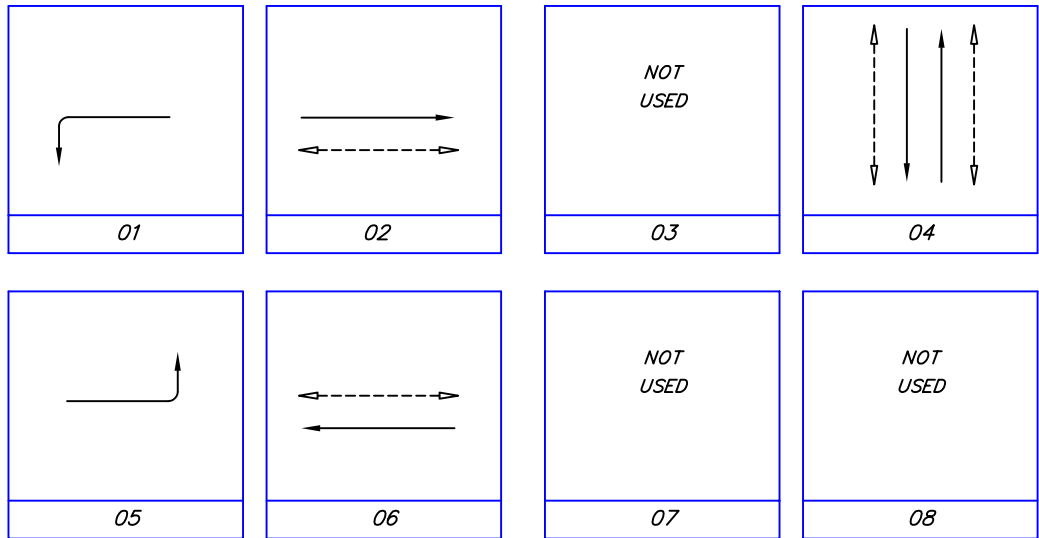
1. CONSTRUCT FOUNDATION, FURNISH AND INSTALL TYPE 332 ALUMINUM CABINET, AND CONTROLLER ASSEMBLY PER CITY SPECIFICATIONS, WIRED FOR 8-PHASE CAPABILITY, AND INCLUDE ALL ACCESSORIES NECESSARY TO PROVIDE THE PHASING AND PERFORM ALL FUNCTIONS INDICATED ON THESE PLANS.
2. FURNISH AND INSTALL TYPE III SIGNAL AND LIGHTING SERVICE CABINET PER CITY OF SAN DIEGO AND SDG&E CO. REQUIREMENTS. PROVIDE 50A-1P CIRCUIT BREAKER FOR METERED TRAFFIC SIGNALS, 30A-1P CIRCUIT BREAKER FOR UNMETERED STREET LIGHTS. VERIFY SERVICE LOCATION AND REQUIREMENTS WITH SAN DIEGO GAS AND ELECTRIC CO.
3. INSTALL BI-DIRECTIONAL DUAL CHANNEL EMERGENCY VEHICLE PREEMPTION DETECTOR (E.V.P.E.) PER CITY OF SAN DIEGO REQUIREMENTS.
4. INSTALL TYPE "A" HANDHOLE PER ES-5E WITH LOCKING COVER. NO SPLICING IN HANDHOLE.

POLE SCHEDULE

STANDARD					LUMINARE	PLACEMENT		SIGNAL MOUNTING	PEDESTRIAN	REMARKS
NO.	TYPE	HGT	SIG. M.A.	LUM. M.A.	CO-LPS	A	B	VEHICLE	SIGNAL PPB	
A	-	-	-	-	-	-	-	-	-	-
B	-	-	-	-	-	-	-	-	-	-
C	-	-	-	-	-	-	-	-	-	-
D	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-











































ALL VEHICLE HEADS SHALL BE 12" WITH BACKPLATES AND GLASS LENSES.  
ANCHOR BOLT NUT COVERS SHALL BE PROVIDED.

PHASE DIAGRAM



FLASHING OPERATION SHALL BE ALL RED.

CONDUCTOR TABLE

AWG SIZE OR CABLE TYPE	P H A S E	POLE OR CIRCUIT	CONDUIT SIZE & RUN					
			3" 	3" 	3" 	3" 	3" 	2-3" 
3     12	C O N D U C T O R S	POLE – A						
		POLE – B						
		POLE – C						
		POLE – D						
								
								
TOTAL CABLES		3 CONDUCTOR/12 CONDUCTOR						
NUMBER 6		SIGNAL SERVICE	—	—				—
10		LIGHTING	—	—	—	—	—	—
6 PAIR NO.22		INTERCONNECT CABLE	—	—	—	—	—	—
TYPE "B"  DLC		LOOP DETECTOR	—	—	—	—	—	—
		" "	—	—	—	—	—	—
		" "	—	—	—	—	—	—
		" "	—	—	—	—	—	—
			—	—	—	—	—	—
		TOTAL DLC	—	—	—	—	—	—
		EMERGENCY VEHICLE DETECTOR (EV-DLC)	—	—	—	—	—	—

DETECTOR ASSIGNMENT

DETECTOR	PHASE	SLOT	FIELD TERMINAL
1	2	I2U	T2-5 & 6
2	2	I2L	T2-7 & 8
3	2	I3U	T2-9 & 10
4	5	J1U	T3-1 & 2
5	6	J2U	T3-5 & 6
6	6	J2L	T3-7 & 8
7	6	J3U	T3-9 & 10
8	1	I1U	T2-1 & 2
9	4	I6U	T4-9 & 10
10	4	I6L	T4-11 & 12
11	8	J6U	T5-9 & 10
12	8	J6L	T5-11 & 12
PPB	2	I12U	T8-4 & COM 6
PPB	4	I12L	T8-5 & COM 6
PPB	6	I13U	T8-7 & COM 9
PPB	8	I13L	T8-8 & COM 9
EVA	2+5	J12U	T9-4 & COM 6
EVb	4	J13U	T9-7 & COM 9
EVC	1+6	J12L	T9-5 & COM 6
EVD	8	J13L	T9-8 & COM 9
FLASH	-	I14U	T8-10 & COM 12

ENGINEERING COMPANY'S ADDRESS, PHONE NUMBER AND LOGO (IF APPLICABLE)

NAME R.C.E. NO. XXXXX EXP. XX-XX-XX DATE



PRIVATE CONTRACT

IMPROVEMENT PLANS FOR

PROJECT NAME

STREET "X" AT "Y" INTERSECTION TRAFFIC SIGNAL

CITY OF SAN DIEGO, CALIFORNIA  
DEVELOPMENT SERVICES DEPARTMENT  
SHEET 6 OF XX SHEETS

W.O. NO. XXXXXX  
P.T.S. NO. XXXXXX

TM/TPM XX-XXXX

FOR CITY ENGINEER DATE

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	CO. INITIALS			

AS-BUILTS INITIALS

CONTRACTOR INSPECTOR DATE STARTED DATE COMPLETED

XXXX-6-D

THIS AREA IS TO BE RESERVED FOR CONSTRUCTION CHANGE INFORMATION